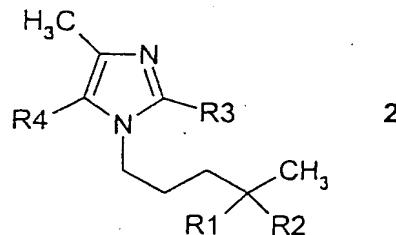


Patent claims

1. A compound of the formula 2



in which

R1 and R2 together are O (oxygen) or an ethylenedioxy radical (-O-CH₂-CH₂-O-),

R3 is hydrogen or cyano (CN),

R4 is hydrogen, methyl or trifluoromethyl

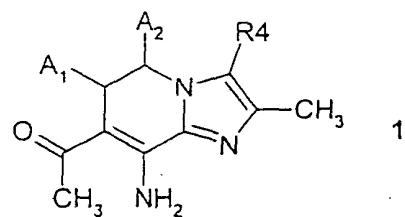
or their salts and their N-oxides.

2. A compound of the formula 2 as claimed in claim 1, in which R1 and R2 together are an ethylenedioxy radical (-O-CH₂-CH₂-O-), R3 is hydrogen and R4 is hydrogen, methyl or trifluoromethyl, or its N-oxides.

3. A compound of the formula 2 as claimed in claim 1, in which R1 and R2 together are O (oxygen), R3 is cyano (CN) and R4 is hydrogen, methyl or trifluoromethyl, or its salts.

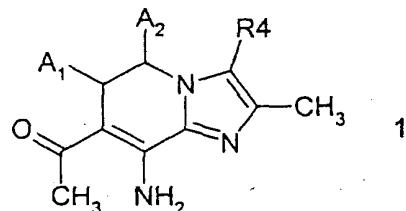
4. A process for the preparation of the compounds of the formula 2 as claimed in claim 1, in which R1 and R2 together are O (oxygen), R3 is cyano (CN) and R4 is hydrogen, methyl or trifluoromethyl, or its salts, which comprises alkylating the N-oxide of the compound of the formula 2 as claimed in claim 1, in which R1 and R2 together are an ethylenedioxy radical (-O-CH₂-CH₂-O-), R3 is hydrogen and R4 is hydrogen, methyl or trifluoromethyl, then reacting it with a cyanide and then working up.

5. The reaction of the compounds of the formula 2 as claimed in claim 1, in which R1 and R2 together are O (oxygen), R3 is cyano (CN) and R4 is hydrogen, methyl or trifluoromethyl, or its salts, to give compounds of the formula 1



in which A₁ and A₂ are each hydrogen or together form a bond and R4 is hydrogen, methyl or trifluoromethyl, which comprises cyclizing the compounds of the formula 2 with deprotonation and, if desired, then oxidizing the compounds of the formula 1 obtained, in which A₁ and A₂ are each hydrogen, to give compounds of the formula 1 in which A₁ and A₂ together are a bonding dash.

6. A compound of the formula 1



in which A₁ and A₂ are each hydrogen or together form a bond and R4 is hydrogen, methyl or trifluoromethyl, or its salts.